Integrating an EMS Framework into the Pollution Prevention Program at Tinker AFB

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Overview

- EMS Requirements for Air Force installations
- Pollution Prevention Program at Tinker AFB
- Integration of EMS and P2

EMS Requirements in DoD

- Executive Order 13148, *Greening the Government through Leadership in Environmental Management*
- *EMS Implementation Criteria and Metrics*, ADUSD(E) Memo 30 Jan 2003
- *DoD EMS*, USD/ATL Memo 5 Apr 2002
- OMB and CEQ letter to SECDEF 1 Apr 2002
- *Army EMS Installation Requirements*, ACSIM Memo 6 Aug 2001
- *Army EMS Action Memorandum*, OASA(I&E) 13 Jul 2001
- *Navy EMS Policy*, CNO Memo 6 Dec 2001

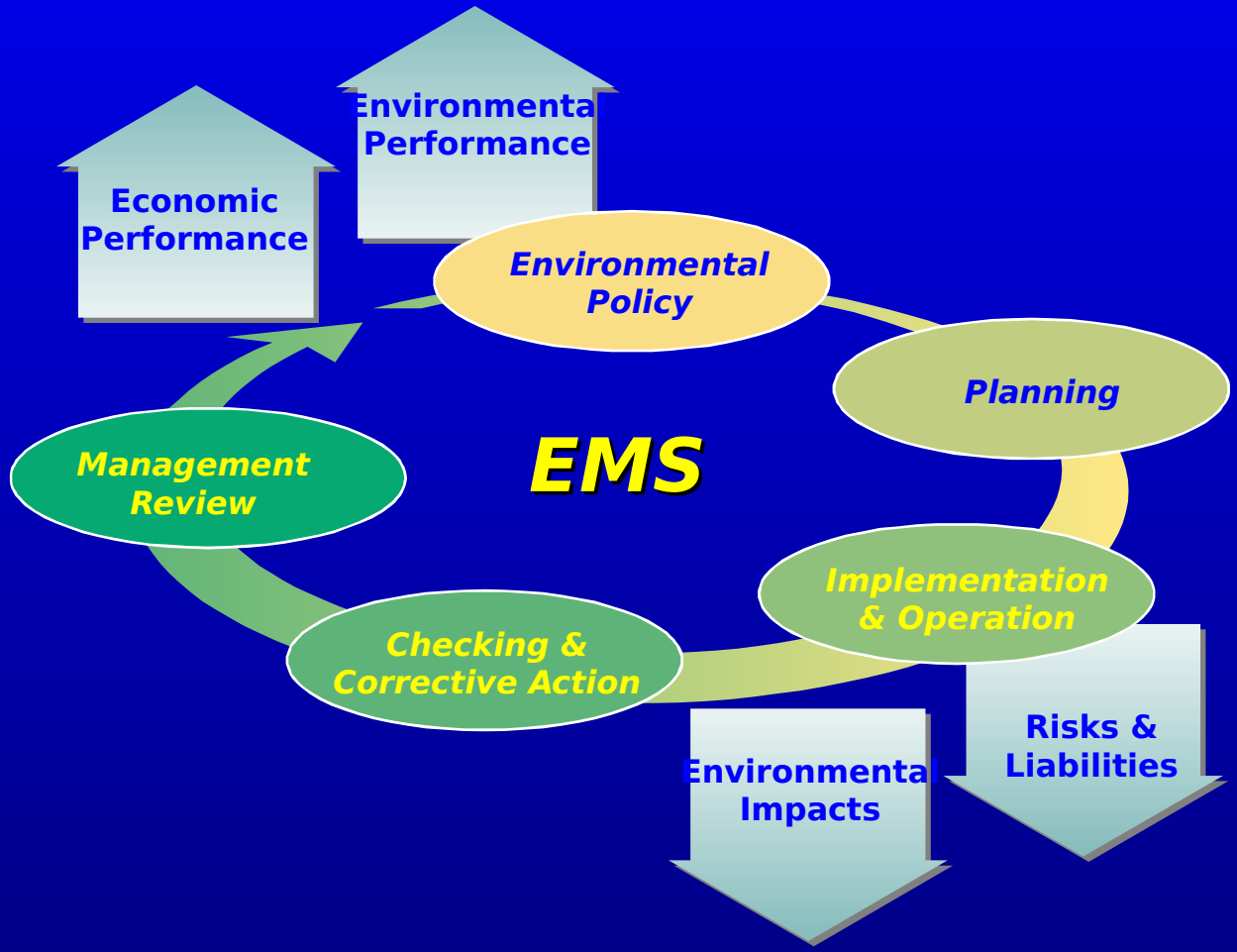
Air Force EMS Guidance

- *Air Force ESOHMS*, SECAF and CSAF Memo 5 Jan 2001
- *The U.S. Air Force Environmental Management System Implementation Guidance Series, Module I, Planning Phase, 6 February 2004.*

Tinker AFB EMS Requirements

- Issue base environmental policy statement (*NLT 31 Oct 2003*)
- Write EMS implementation plan (*NLT 31 Dec 2003*)
- Prepare prioritized list of environmental aspects (*NLT 30 Jun 2004*)
- Conduct EMS awareness training (*NLT 31 Mar 2005*)
- Conduct EMS management review (*NLT 31 Dec 2005*)

What is an EMS?



Pollution Prevention at Tinker AFB

- AFMC Compliance Through Pollution Prevention Program
- Related environmental programs

Compliance Through P2

- Compliance Site Inventories
- Process Specific Groups
- Compliance-Focused Opportunity Assessments

Related Environmental Programs

- Measures of Merit
- HAZMAT tracking
- Hazardous waste
- Air quality
- Wastewater
- Stormwater
- Solid waste

Integration of EMS and P2

- Compare EMS elements with existing P2 program elements
- Identify gaps
- Document procedures

EMS Elements

- Environmental aspects
- Legal and other requirements
- Objectives & targets
- Environmental management programs
- Monitoring and measurement

Environmental Aspects

- Hazardous material usage
- Hazardous waste generation
- Air quality
- Wastewater
- Stormwater
- Solid waste generation

Legal and Other Requirements

- Compliance Through Pollution Prevention program
- ECAMP
  - TEAM Guide
  - Air Force supplement
  - Oklahoma supplement

Objectives and Targets

- Establish objectives and targets based on aspects
- Compliance driven
- Source reduction driven
- Reduction of risk and cost

Environmental Management Programs

- Hazardous material usage
- Hazardous waste generation
- Air quality
- Wastewater
- Stormwater
- Solid waste generation

Monitoring and Measurement

- Use environmental program data as key performance indicators
  - Hazardous material usage
  - Hazardous waste generation
  - Air emissions
  - Wastewater
  - Stormwater
  - Solid waste generation

Summary

- Air Force requires EMS for Tinker AFB
- Tinker AFB has established P2 program
- Many EMS elements are already in place